

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I verily believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ANTISENSE OLIGONUCLEOTIDE INHIBITION OF RAS

the specification of which:

() is attached hereto.

(XX) was filed on May 30, 2001 as Application Serial No. 09/870,002.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Country	Number	Date Filed	Priority Claimed			
			Yes		No	
			Yes		No	
			Yes		No	

I hereby claim the benefit under 35 U.S.C. § 119(e), 120, and 371 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (pending, patented, abandoned)
09/575,554	May 22, 2000	Pending
09/128,494	August 3, 1998	Patented
08/889,296	July 8, 1997	Patented
08/411,734	April 3, 1995	Abandoned
PCT/US93/09346	October 1, 1993	
08/007,996	January 21, 1993	Abandoned
07/958,134	October 5, 1992	Abandoned

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Jane Massey Licata, Reg. No. 32,257
 Kathleen A. Tyrrell, Reg. No. 38,350
 Laura M. Plunkett, Reg. No. 45,015
 Bridget C. Sciamanna, Reg. No. 47,333

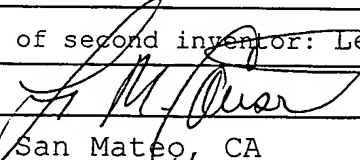
Herb Boswell, Reg. No. 27,311
 Laurel Spear Bernstein, Reg. No. 37,280
 Robert S. Andrews, Reg. No. 44,509
 April Logan, Reg. No. 33,950
 Neil S. Bartfeld, Reg. No. 39,901
 Kenneth H. Tarbet, Reg. No. 43,181
 Donna T. Ward, Reg. No. P-48,271

of the firm:
 Isis Pharmaceuticals, Inc.
 Carlsbad Research Center
 2292 Faraday Avenue
 Carlsbad, California 92008;

Direct Telephone Calls to: Jane Massey Licata, tel: 856-810-1515

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

First Name of first inventor: Brett P. Monia	
Signature:	Date:
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Post Office Address: 2306 Casa Hermosa Court Encinitas, CA 92024	

First Name of second inventor: Lex M. Cowser	
Signature: 	Date: 10/19/01
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Citizenship: USA	
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First Name of third inventor: Muthiah Manoharan	
Signature:	Date:
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First Name of fourth inventor: F. Andrew Dorr	
Signature:	Date:
Residence: Solana Beach, CA 92075	
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Post Office Address: 346 Loma Larga Drive Solana Beach, CA 92075	

First Name of fifth inventor: Jon Holmlund	
Signature:	Date:
Residence: Carlsbad, CA	
Citizenship: USA	
Post Office Address: 1315 Cassins Street Carlsbad, CA 92009	

Attorney Docket No.: ISPH-0578

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First Name of first inventor: Brett P. Monia	
Signature: <i>Brett P. Monia</i>	Date: 9/28/01
Residence: Encinitas, CA	
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Post Office Address: 2306 Casa Hermosa Court Encinitas, CA 92024	

First Name of second inventor: Lex M. Cowser	
Signature:	Date:
Residence: San Mateo, CA	
Citizenship: USA	
Post Office Address: 1299 Parrott Drive San Mateo, CA 94402	

First Name of third inventor: Muthiah Manoharan	
Signature: <i>Muthiah Manoharan</i>	Date: 10/3/01
Residence: Carlsbad, CA	
Citizenship: USA	
Post Office Address: 7634 Reposado Drive Carlsbad, CA 92009	

First Name of fourth inventor: F. Andrew Dorr	
Signature: <i>F. Andrew Dorr</i>	Date: 10/3/01
Residence: Solana Beach, CA 92075	
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First Name of fifth inventor: Jon Holmlund	
Signature: <i>Jon T. Holmlund</i>	Date: 10/11/01
Residence: Carlsbad, CA	
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Post Office Address: 1315 Cassins Street Carlsbad, CA 92009	